# Fermilab

Title:   CDF Data Handling System

The Collider Detector at Fermilab (CDF) records proton-antiproton collisions at center of mass energy of 2.0 TeV at the Tevatron collider. A new collider run, Run II, of the Tevatron started in April 2001. Increased luminosity will result in about 1 PetaByte of data recorded on tapes in the next two years. Currently the CDF experiment has about 260 TB of data stored on tapes.  This amount includes raw and reconstructed data and their derivatives.

The data storage and retrieval are managed by the CDF Data Handling system. This system has been designed to accommodate the increased demands of the Run II environment and has proven robust and reliable in providing an uninterruptable flow of data from the detector to the end user. This paper gives an overview of the CDF Run II Data Handling system which has evolved  significantly over the course of this year. An outline of the future direction of the system is given.

Keywords: centralized computing systems, distributed computing systems, Mass Storage System (MSS), Hierarchical Storage Management (HSM), resource management.


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